

1. An immunological adjuvant composition useful for enhancing the immune response against antigens, comprising:

a first adjuvant, wherein said first adjuvant comprises amorphous calcium phosphate formulated as a hardenable, injectable paste having a solids content of greater than or equal to 40 wt%.

9. A composition of claim 8, wherein said second adjuvant is selected from: muramyl dipeptide, aluminum hydroxide, aluminum phosphate, hydroxyapatite, Incomplete Freund's Adjuvant, and Complete Freund's Adjuvant.

13. A method for stimulating an immune response in a mammal, said method comprising:
administering to the mammal a composition comprising amorphous calcium phosphate formulated as a hardenable, injectable paste having a solids content of greater than or equal to 40 wt%.

14. A method for increasing immunogenicity of an antigen in a mammal, said method comprising:

co-administering both an antigen and a composition comprising amorphous calcium phosphate formulated as a hardenable, injectable paste having a solids content of greater than or equal to 40 wt%.

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amt
15. An immunological adjuvant composition useful for enhancing the immune response against antigens, comprising:

a first adjuvant comprised of an injectable calcium phosphate paste capable of hardening at body temperature, wherein said paste is comprised of an amorphous calcium phosphate and a second calcium phosphate.

C4
22. A composition of claim 21, wherein said second adjuvant is selected from: muramyl dipeptide, aluminum hydroxide, aluminum phosphate, hydroxyapatite, Incomplete Freund's Adjuvant, and Complete Freund's Adjuvant.

C5
26. A method for stimulating an immune response in a mammal, said method comprising:
administering to the mammal an injectable calcium phosphate paste comprised of an amorphous calcium phosphate and a second calcium phosphate, wherein said paste hardens at body temperature and stimulates an immune response in the host.

27. A method for increasing immunogenicity of an antigen in a mammal, said method comprising:

co-administering both the antigen and a composition comprising an injectable calcium phosphate paste capable of hardening at body temperature, wherein said paste is comprised of an amorphous calcium phosphate and a second calcium phosphate.

C6
28. An immunological adjuvant composition useful for enhancing the immune response against antigens, comprising:

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Caf
a first adjuvant, wherein said first adjuvant is a hardenable, injectable calcium phosphate paste comprised of an amorphous calcium phosphate and a second calcium phosphate; and
a second adjuvant, wherein the first and second adjuvant are selected so as to elicit an immune response from targeted cells or cell types.

33. A composition of claim, 9, 22, or 28, wherein the second adjuvant is selected from the group consisting of a second calcium phosphate, muramyl dipeptide, aluminum hydroxide, aluminum phosphate, hydroxyapatite, Incomplete Freund's Adjuvant, and Complete Freund's Adjuvant.

37. A method for stimulating an immune response in a mammal, said method comprising administering to the mammal a first adjuvant composition comprising a hardenable, injectable amorphous calcium phosphate paste and a second adjuvant, wherein the first and second adjuvants are selected so as to elicit an immune response from targeted cells or cell types.

40. The composition of claim 28, wherein the first and second adjuvants are selected so as to elicit an immune response from cells of the same type.

41. The composition of claim 28, wherein the first and second adjuvants are selected so as to elicit an immune response from cells of different types.

42. The method of claim 37, wherein said second adjuvant is selected from the group consisting of a second calcium phosphate, muramyl peptide, aluminum hydroxide, aluminum phosphate, hydroxyapatite, Incomplete Freund's Adjuvant, and Complete Freund's Adjuvant.